

NCR-19-7693

012056



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

split

D3439-101

Job Sheet 192786-A



Part No: D3439-101

Job Qty: 7 pcs

Part Name: Mirror Assembly 8"



Part Weight: 0 lbs

Job Created: 9/23/19

Due Date: 9/25/19

Type: Stock

Status: Scheduled

Priority: Medium

Job Tracking No:

Created By: Linda Lacelle

Description:

Note: DWG REV B IPP A 05.07.20 New issue KJ/JLM IPP Rev:B 10.09.08 per dwg RevB DD ver:ec

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
115	QC 6	7 pcs	9/25/19		0.00	0.00	QC 6 - 9		
							QC 6 - 68		
							QC 6 - 61		
120	Small Fab - 2 - B4B	7 pcs	9/25/19		0.00	5.65	Small Fab - 1 - B4B		
							Small Fab - 2 - B4B		
							Small Fab - 3 - B4B		
							Small Fab - 4 - B4B		
							Small Fab - 5 - B4B		
							Small Fab - 6 - B4B		
							Small Fab - 7 - B4B		
130	QC 5	7 pcs	9/25/19		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
140	Packaging 3-1 - Stock - B4B	7 pcs	9/25/19		0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B ✓		
							Packaging 3 - 4 - B4B		



Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S216115



Part: D3439-101

Job No: 192786-A

Serial No/Batch: S170433

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 09/25/19

THU 9-26-2019

Oscar

6

DAS
30
9-89

SEP 25 2019

PTD
(1 sup)

SEP 25 2019

DAS
40
9-89

ST 383

				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
150 QC 21 - SA	6 7 pcs	9/25/19	0.00 0.00	QC 21 - SA - 21 ✓	ST383
				QC 21 - SA - 70	21
				QC 21 - SA - 53	9-89 SEP 26 2019

Part Op 115 - (QC6- All purchased or subcontracted products)

Descriptions: 120 - 1- Discard Hardware, 2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg. 3- Plug drain holes with Sikaflex. Ensure that mirror adheres to housing. Pick: Qty Part Number Description Batch A/RN/A Sikaflex-241/-291 _____ Sikaflex expiry date _____

130 - (QC5- Inspect part completeness to step on W/O)

140 - (Identify as per dwg & Stock Location: _____)

150 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
D3015-3	Locknut	7 pcs (1 ea)	120-Small Fab - 2 - B4B	
D3439-3	Stud	7 pcs (1 ea)	120-Small Fab - 2 - B4B	
NAS1149C0563R	Washer (AN960C516)	7 Ea (1 ea)	120-Small Fab - 2 - B4B	

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
120-Small Fab - 2 - B4B	D3015-3	7	134	0
	D3439-3	7	5	0
	NAS1149C0563R	7	454	0

Part Specifications	
Specifications could not be found.	



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D3439-101
Job Sheet 192786



Part No: D3439-101

Job Qty: 12 pcs

Part Name: Mirror Assembly 8"



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 4/2/19

Job Tracking No:

Due Date: 4/22/19

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV B IPP A 05.07.20 New issue KJ/JLM IPP Rev:B 10.09.08 per dwg RevB DD verf:ec

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	12 pcs	4/22/19	OP	0.00	0.00	Purchasing - 1	APR 08 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	12 pcs	4/22/19		0.00	0.00	Packaging 2 - 1 - B4B	APR 08 2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Container No: S170433



Part: D3439-101

Job No: 192786

Serial No/Batch: S170433

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/08/19

Plex 4/8/19 11:15 AM Dart.Hadley.Shannon

Donnel

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
115 QC 6	12 pcs	4/22/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	DAS
					QC 6 - 61	51
120 Small Fab - 2 - B4B	12 pcs	4/22/19	0.00 9.68		Small Fab - 1 - B4B	J-89
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
130 QC 5	12 pcs	4/22/19	0.00 0.00		QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
140 Packaging 3-1 - Stock - B4B	12 pcs	4/22/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	

				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
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				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
150 QC 21 - SA	12 pcs	4/22/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - Issue P/O: _____ For Grote Mirror P/N: 12183 Possible Supplier: UAP/NAPA Material release note is
Descriptions: required

110 - (Receive & Inspect for Damage & Mat'l Certs)

115 - (QC6- All purchased or subcontracted products)

120 - 1- Discard Hardware. 2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg. 3- Plug drain holes with Sikaflex. Ensure that mirror adheres to housing. Pick: Qty Part Number Description Batch A/RN/A Sikaflex-

2411-291 5174342 Sikaflex expiry date 12/19

130 - (QC5- Inspect part completeness to step on W/O)

140 - (Identify as per dwg & Stock Location: _____)

150 - (QC21- Final Inspection - Work Order Release)

PO Details

B C Industrial (bci001-vc)



PO No: PO043082

Line No: 2

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
12183	Grote Mirror D3439-101	12 pcs (1 ea)	100-Purchasing	S 170411
D3015-3	Locknut	12 pcs (1 ea) 7	120-Small Fab - 2 - B4B	8152547
D3439-3	Stud	12 pcs (1 ea)	120-Small Fab - 2 - B4B	F114631
NAS1149C0563R	Washer	12 Ea (1 ea) 7	120-Small Fab - 2 - B4B	S 167860

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	12183	12	0	0
120-Small Fab - 2 - B4B	D3015-3	12	600	0
	D3439-3	12	5	0
	NAS1149C0563R	12	514	0

Part Specifications

Specifications could not be found.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043082



Supplier: BCI001-VC
B C Industrial
14 Old Forest
Kirkland
QC
H9J 2Z8 Canada
Phone: 514-585-8907

PO No: PO043082

PO Date: 4/3/19

Due Date: 4/12/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

APR 03 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		33116			Stud Fitting receive ea	Firmed	-	4/18/19	6 Ea	0 Ea	6 Ea	\$59.95/Ea	\$359.70
2	192786	12183			Grote Mirror D3439-101 AS PER DWG D3439 REV. B	Firmed X12	-	4/12/19	12 pcs	0 pcs	12 pcs	\$18.48/pce DAS 61 9-88	\$220.80
Grand Total:													\$580.50

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

CL

Plex 4/3/19 1:08 PM dart.lavoie.chantal

Apr 4 2019

Packing Slip

PS190404DA

Livrer a/Ship to:

Dart Aerospace Ltd
1270 Aberdeen
Hawksbury, Ont
K6A 1K7

Votre PO# 43082

Description	Livrer/Ship	B/O
1. Grote mirror 12183	12	0

DAS
61
9-80

BC Industrial.... 14 Old Forest....Kirkland, Quebec.. H9J2Z8
Phone 514-585-8907 bcpc1@videotron.ca

BC Industrial..... 14 Old Forest....Kirkland....Quebec....H9J-2Z8....Canada
Phone 514-585-8907 Email bcpc1@videotron.ca

Certificate of Compliance

Apr 4 2019

Dart Aerospace Ltd
1270 Aberdeen
Hawksbury, Ont
K6A 1K7

Att: Chantal Lavoie

This is to confirm that the parts delivered on our

PS190404DA

Grote mirror 12183

DAS
61
9-89

conforms to the specifications outlined on your purchase
order 43082

Thank you

Bryan Cameron

#TPS/GST-14264062

#TVQ/PST-1021696907

Terms 2%10 Net 30

Entered: JK Date: Nov 1/19



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. 19-7693

Route update only

Job: <u>192786-A</u> Part No. <u>D3439-101</u>		DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☒ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐																													
Date: <u>SEP 25 2019</u>		Sequence #: <u>120</u>		QTY Affected: <u>6</u>		MRB (QSI042) DAS 30 9-89 NOV 1 2019 <u>SP</u>																											
Description Work Order Deviation				Disposition		Completed By <u>[Signature]</u> SEP 25 2019 Lead hand / Supervisor DAS 30 9-89 SEP 25 2019 QC / QA Coordinator <u>[Signature]</u> 19-09-25																											
When Taping the mirror Tape broke in the mirror				Scrap - destroy No replace																													
Root Cause Operator ☐ Manufacturing Process ☒ Equip/Tooling ☒ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY <table border="0"> <tr> <td>☐ Pressure/Forced</td> <td>☐ Contamination</td> <td>☐ Power Loss/Surge</td> <td>☐ Positioned Wrong</td> </tr> <tr> <td>☐ Bending</td> <td>☐ Misaligned/off center</td> <td>☐ Folio/Program</td> <td>☐ Outside Tolerance</td> </tr> <tr> <td>☐ Crushing</td> <td>☐ BOM/Route</td> <td>☐ Grain Direction</td> <td>☐ Drawing</td> </tr> <tr> <td>☐ Cracks</td> <td>☒ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Finish</td> </tr> <tr> <td>☐ Crimp/Kink/Ripple/Wave/Twist</td> <td>☐ Incomplete/Unclear Instructions</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Marks/Chatter</td> <td>☐ Drill Holes</td> <td>☐ Out of Sequence</td> <td>☐ Misread</td> </tr> <tr> <td>☐ Mislabeled</td> <td>☐ Fit/Function</td> <td>☐ Off-set/Set-up</td> <td></td> </tr> </table>				☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Bending	☐ Misaligned/off center	☐ Folio/Program	☐ Outside Tolerance	☐ Crushing	☐ BOM/Route	☐ Grain Direction	☐ Drawing	☐ Cracks	☒ Broken/Damage/Defect	☐ Weld	☐ Finish	☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread	☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up	
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☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread																														
☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up																															
		Other/Details: <u>Tape broke in mirror</u>																															